

ABSTRACT OF THE DISCLOSURE

In the present invention, a lower electrode is utilized as a photomask to form a liquid-repellent region having a generally same pattern shape as that of the lower electrode and a liquid-attracting region having a generally reversed pattern shape on an insulating film. A conductive ink is coated and calcined in the liquid-attracting region to form an upper electrode having a generally reversed pattern shape to the lower electrode in a self-aligned manner, eliminating the occurrence of misregistration even when a printing method is used. Consequently, semiconductor devices such as an active matrix thin film transistor substrate can be formed using a printing method.